

PROJECT NAME: Beach Sediment Analysis  
 CLIENT: HDR, Inc.  
 SAMPLE ID: MP-T3  
 LOCATION: Matagorda Peninsula

| MATAGORDA PENINSULA          |                                              |                 |            |            |            |            |
|------------------------------|----------------------------------------------|-----------------|------------|------------|------------|------------|
| Transect 3                   |                                              |                 |            |            |            |            |
| ASTM MESH                    | PERCENT SHELL BY WEIGHT (BASED ON #10 SIEVE) |                 |            |            |            |            |
|                              | Toe of Dune                                  | Mid Berm        | Swash Zone | First Bar  | Trough     | Second Bar |
| RETAINED BY #10              | 0.0                                          | 0.2             | 0.1        | 0.4        | 1.2        | 7.3        |
| ASTM MESH                    | % FINER BY WEIGHT AFTER REMOVING SHELL       |                 |            |            |            |            |
|                              | Toe of Dune                                  | Mid Berm        | Swash Zone | First Bar  | Trough     | Second Bar |
| #10                          | 100.0                                        | 100.0           | 100.0      | 100.0      | 100.0      | 100.0      |
| #18                          | 100.0                                        | 100.0           | 100.0      | 99.7       | 99.3       | 95.1       |
| #35                          | 100.0                                        | 100.0           | 99.9       | 97.9       | 98.2       | 87.5       |
| #60                          | 99.3                                         | 99.1            | 96.0       | 77.0       | 85.2       | 72.1       |
| #70                          | 95.4                                         | 93.0            | 80.3       | 50.7       | 68.8       | 55.9       |
| #80                          | 72.2                                         | 68.2            | 40.8       | 24.7       | 37.1       | 36.3       |
| #100                         | 30.5                                         | 22.9            | 12.4       | 6.6        | 13.6       | 14.9       |
| #120                         | 11.8                                         | 8.4             | 4.3        | 3.1        | 5.7        | 6.7        |
| #170                         | 1.7                                          | 0.7             | 1.5        | 1.8        | 1.4        | 1.3        |
| #200                         | 1.4                                          | 0.6             | 1.4        | 1.7        | 1.2        | 1.2        |
| STATISTICS (EXCLUDING SHELL) |                                              |                 |            |            |            |            |
| MEDIAN GRAIN SIZE (mm)       | 0.161                                        | 0.165           | 0.184      | 0.209      | 0.190      | 0.199      |
| MEAN GRAIN SIZE (mm)         | 0.161                                        | 0.166           | 0.185      | 0.229      | 0.196      | 0.259      |
| SORTING ( $\sigma$ )         | 0.322                                        | 0.307           | 0.292      | 0.524      | 0.482      | 0.902      |
| Munsell Color                | Pale Brown                                   | Very Pale Brown | Pale Brown | Pale Brown | Pale Brown | Pale Brown |



